

## Product datasheet for RR216517

### Layn (NM\_001191997) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Layn (NM\_001191997) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Layn  
Synonyms: RGD1564444  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR216517 representing NM\_001191997  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAACCCGGAGCAGCGCTGCAGGCCATGTTGCTGGCGGTGCTGCTGGCCAACCGAGGGATTCAAGG  
GTCACCTGCTGAGCGGTGACTTGGACCCAGAGGAGGGCAGCGTTCTGCTGGGAAGGGACCGAGGCC  
TTGCTACAGAGTCATTTATTTCCATGACACCTCTCAAAGACGGAACCTTTGAGGAAGCGAAAGAAGCCTGC  
ATGAAGGATGGAGGACAGCTAGCCAGCATAGAAACGGCAGATGAGCAGAGGCTGATAGAGAACTTCATTG  
AAAGCCTCCAGGCATCTGATGGTATTTCTGGATTGGCCTCAAGAGGTTGGAGGAGAAACAGCACAAACAG  
CACAGCCTGCCAGGACCTTACGCTTGGACAGATGGAAGCCTGTCACAGTTCAGGAACTGGTATATGGAT  
GAGCCTTCTGTGAGAGCGAGGTCTGCGTGGTCATGTACCATCAGCCATCAGCACCTCCGGGCATCGGGG  
GCCATATATGTTCCAGTGGAATGACGACCGGTGCAACACGAAGAAGAAATTTCAATTTGCAAAATTTCTGA  
CGATAAACCAAGTACAACACCCTCTCTTAGTCTGGAGGTGAAGCAACTGAGCCAGCAGCACCCATACTT  
CCAGAAGAAACTCTGAAATAGACACCAAGAAGCAGAGAGGCTGCTTTGAATCTTGCCTACATCTCTAA  
TTCCCAGTATTTCCCTTTTCTCCTACTTGTGGTCACTTCAGTCTGTGTTGGGTTTGGATCTGTAGAAG  
AAAACGGGAACAGACAGACCCTCCACAAAGGAGCAGCACACCATTTGGCCCACTCCTACCAAGAGAAC  
AGCCCTGACCTAGAAGTTTACAATGTCATCAGAAAACAAAGTGAAGCTGATTTAGCCGAGCCCCGGCCAG  
ATCTGAAGAACATCTCCTTCCGGGTGTGTTCTGGGAAGCCATGCCCGATGACACGTCTTGTGACTATGA  
CAACATGGTTATAAACCTTCTGAAAGTGGGTTAGTGACTTTGGCAAGTATGGAGGGTAGATTTGTGACC  
AATGACATCTATGAATTTCCCCCGACAGAATGGGGAGGAGCAAGGAGAGTGGATGGGTAGAAAATGAAA  
TATATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216517 representing NM\_001191997  
 Red=Cloning site Green=Tags(s)

MQPGAALQAMLLAVLLAKPRDSKGHLLSGDLDPGGQRFCEWETRRCYRVIYFHDTSQRRNFEEAKEAC  
 MKDGGQLASIEADEQRLIENFIESLQASDGFWIGLKRLEEKQHNSTACQDLYAWTDGSLSQFRNWYMD  
 EPSCESEVCMVYHQPSAPPGIGPYMFQWDDRCNTKKNFICKYSDDKPSTTPSLSPGGEATEPAAPIL  
 PEETLEIDTKERREAALNLAYILIPSIPLFLLL VVTSAVCWVWICRRKREQTDPPPTKEQHTIWPTPHQEN  
 SPDLEVYNVIRKQSEADLAEPRLDKNISFRVCSGEAMPDDTSCDYDNMVINPSEGLVTLASMEGRFVT  
 NDIYEFSPDRMGRSKESGWVENEIYY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

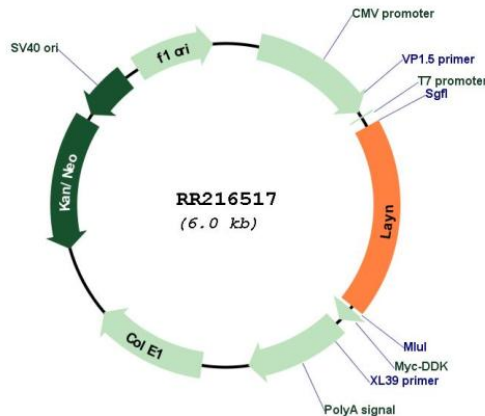
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001191997

<b>ORF Size:</b>	1128 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001191997.1</a> , <a href="#">NP_001178926.1</a>
<b>RefSeq Size:</b>	1162 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	500996
<b>Cytogenetics:</b>	8q23
<b>MW:</b>	42.7 kDa